

Climatic Data	
Year	Temperature (°C)
1998	15.2
1999	14.8
2000	15.5
2001	16.1
2002	15.8
2003	16.3
2004	16.7
2005	17.1
2006	17.5
2007	17.9
2008	18.3
2009	18.7
2010	19.1
2011	19.5
2012	19.9
2013	20.3
2014	20.7
2015	21.1
2016	21.5
2017	21.9
2018	22.3
2019	22.7
2020	23.1
2021	23.5
2022	23.9
2023	24.3
2024	24.7
2025	25.1
2026	25.5
2027	25.9
2028	26.3
2029	26.7
2030	27.1
2031	27.5
2032	27.9
2033	28.3
2034	28.7
2035	29.1
2036	29.5
2037	29.9
2038	30.3
2039	30.7
2040	31.1
2041	31.5
2042	31.9
2043	32.3
2044	32.7
2045	33.1
2046	33.5
2047	33.9
2048	34.3
2049	34.7
2050	35.1
2051	35.5
2052	35.9
2053	36.3
2054	36.7
2055	37.1
2056	37.5
2057	37.9
2058	38.3
2059	38.7
2060	39.1
2061	39.5
2062	39.9
2063	40.3
2064	40.7
2065	41.1
2066	41.5
2067	41.9
2068	42.3
2069	42.7
2070	43.1
2071	43.5
2072	43.9
2073	44.3
2074	44.7
2075	45.1
2076	45.5
2077	45.9
2078	46.3
2079	46.7
2080	47.1
2081	47.5
2082	47.9
2083	48.3
2084	48.7
2085	49.1
2086	49.5
2087	49.9
2088	50.3
2089	50.7
2090	51.1
2091	51.5
2092	51.9
2093	52.3
2094	52.7
2095	53.1
2096	53.5
2097	53.9
2098	54.3
2099	54.7
2100	55.1

1 3. The method of claim 1, wherein the conditional and patch attribute statements
2 utilize a syntax that is similar to a syntax of commands capable of being interpreted by a
3 command processor interface of the computer operating system, and wherein the syntax of the
4 conditional and patch attribute statements prevent the conditional and patch attribute statements
5 from executing on the computer outside of a patch update interpreter that is capable of
6 interpreting the syntax of the conditional and patch attribute statements.

1 4. The method of claim 1, wherein the patch attribute statements included in the
2 script program are capable of including patch attribute statements that are members of the set of
3 patch attribute statements comprising:

4 a patch incompatible statement, wherein the patch incompatible attribute indicates that if
5 the patches in the returned patch list are installed in the computer, then the patch cannot be
6 installed in the computer; and

7 a patch prefers statement, wherein the patch prefers attribute indicates that the patches
8 in the returned patch list are recommended to be installed in the computer.

1 5. The method of claim 1, wherein the patch attribute statements are further
2 capable of including a patch constraint attribute called with at least one conditional statement,
3 wherein the patch constraint attribute indicates that the patch can be installed in the computer if
4 each conditional statement evaluates as true.

1 6 The method of claim 1, wherein the conditional statements provided with the
2 attribute statements are members of the set of conditional statements comprising:
3 a first conditional statement that determines whether the computer object indicates that
4 a specified vendor operating system is installed on the computer;
5 a second conditional statement that determines whether the computer object indicates
6 that a specified version of the operating system is installed on the computer;
7 a third conditional statement that determines whether the computer object indicates that
8 the computer includes a specified hardware platform;
9 a fourth conditional statement that determines whether the computer object indicates
10 that a specified software package having a specified version number is installed on the
11 computer;

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20 an eighth conditional statement that determines whether the computer object indicates
21 that the computer includes a specified architecture.

1 8. The method of claim 1, wherein the patch attribute statement includes multiple
2 conditional statements and a different list of patches for each conditional statement, wherein the
3 attribute defined for the attribute statement is associated with the installation of the patch to the
4 system if the system includes the returned list of patches for the conditional statement that
5 evaluated as true.

1 9. A system for determining whether to apply a patch including content onto a
2 computer, comprising:
3 a processor;
4 a computer readable medium including a computer object including information on
5 installed software and hardware components determined in the computer
6 an interpreter program capable of interpreting:
7 (i) a set of conditional statements that return a boolean response based on a
8 presence of a software or hardware component indicated in the computer object for the
9 computer on which the patch will be applied;
10 (ii) a patch attribute statement called with at least one conditional statement that
11 returns a list of one or more patches if the at least one conditional statement evaluates
12 as true, wherein a attribute defined for the attribute statement is associated with the
13 installation of the patch to the computer if the computer includes the returned list of
14 patches; and
15 (iii) a script program including at least one patch attribute statement, wherein the
16 script program statements and computer object are processed to determine whether the
17 at least one conditional statement associated with each patch attribute statement is true
18 and, if so, whether the patches in the returned list are included in the computer.

1 10. The system of claim 9, wherein the interpreter program is further capable of
2 interpreting a patch requires statement, wherein the patch requires attribute indicates that the
3 patches in the returned patch list must be installed in the computer in order for the patch to be
4 installed in the computer.

1 11. The system of claim 9, wherein the conditional and patch attribute statements
2 are implemented in a syntax that is similar to a syntax of commands capable of being interpreted

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7 a patch prefers statement, wherein the patch prefers attribute indicates that the patches
8 in the returned patch list are recommended to be installed in the computer.

7 a third conditional statement that determines whether the computer object indicates that
8 the computer includes a specified hardware platform;

9 a fourth conditional statement that determines whether the computer object indicates
10 that a specified software package having a specified version number is installed on the
11 computer;
12 a fifth conditional statement that determines whether the computer object indicates that
13 a specified software package having a specified version number or higher is installed on the
14 computer;
15 a sixth conditional statement that determines whether the computer object indicates that
16 a specified patch having a specified version number is installed on the computer;
17 a seventh conditional statement that determines whether the computer object indicates
18 that a specified patch package having a specified version number or higher is installed on the
19 computer; and
20 an eighth conditional statement that determines whether the computer object indicates
21 that the computer includes a specified architecture.

1 15. The system of claim 9, wherein the computer object is further capable of
2 indicating a realization that defines a state of the computer, wherein the conditional statements
3 are further capable of determining whether realizations are included in the computer object
4 indicating the presence of the defined realization states at the computer, wherein the attribute
5 defined for the patch attribute statement is associated with the installation of the patch to the
6 computer if the at least one conditional statement is evaluated as true.

1 16. The system of claim 9, wherein the patch attribute statement includes multiple
2 conditional statements and a different list of patches for each conditional statement, wherein the
3 attribute defined for the attribute statement is associated with the installation of the patch to the
4 system if the system includes the returned list of patches for the conditional statement that
5 evaluated as true.

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17. An article of manufacture including program code for determining whether to

1 apply a patch including content to a computer by:

2 providing a computer object including information on software and hardware

3 components in the computer;

4 interpreting a script program including at least one patch attribute statement, wherein

5 each patch attribute statement is called with at least one conditional statement that returns a list

6 of one or more patches if the at least one conditional statement evaluates as true based on a

7 presence of a software or hardware component indicated in the computer object for the

8 computer on which the patch will be applied, and wherein an attribute defined for the attribute

9 statement is associated with the installation of the patch to the computer if the computer includes

10 the returned list of patches; and

11 processing the computer object including information on installed software and

12 hardware components when executing the script program to determine whether to install the

13 patch on the computer based on attributes of the installation determined by the script program.

18. The article of manufacture of claim 17, wherein the patch attribute statement is

1 capable of comprising a patch requires statement, wherein the patch requires attribute indicates

2 that the patches in the returned patch list must be installed in the computer in order for the patch

3 to be installed in the computer.

19. The article of manufacture of claim 17, wherein the conditional and patch

1 attribute statements utilize a syntax that is similar to a syntax of commands capable of being

2 interpreted by a command processor interface of the computer operating system, and wherein

3 the syntax of the conditional and patch attribute statements prevent the conditional and patch

4 attribute statements from executing on the computer outside of a patch update interpreter that is

5 capable of interpreting the syntax of the conditional and patch attribute statements.

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	Male	100%		
Marital Status	Married	100%		
Education	High School	100%		
Occupation	Teacher	100%		
Income	\$15,000	\$5,000	\$10,000	\$25,000
Health Status	Good	100%		
Stress Level	Low	100%		
Life Satisfaction	High	100%		
Family Size	2	1	1	3
Religious Belief	Christian	100%		
Political Affiliation	Democrat	100%		
Travel Frequency	Monthly	100%		
Exercise Routine	Regular	100%		
Dietary Habits	Healthy	100%		
Sleeping Patterns	Regular	100%		
Work-Life Balance	Good	100%		
Community Involvement	Active	100%		
Personal Goals	Achieved	100%		
Relationship Quality	Excellent	100%		
Financial Stability	Stable	100%		
Emotional Well-being	Positive	100%		
Physical Health	Excellent	100%		
Mental Health	Good	100%		
Social Support	Strong	100%		
Life Expectancy	75	5	65	85
Quality of Life	High	100%		
Overall Satisfaction	Very High	100%		

1 22 The article of manufacture of claim 17, wherein the conditional statements
2 provided with the attribute statements are members of the set of conditional statements
3 comprising:

4 a first conditional statement that determines whether the computer object indicates that
5 a specified vendor operating system is installed on the computer;
6 a second conditional statement that determines whether the computer object indicates
7 that a specified version of the operating system is installed on the computer;
8 a third conditional statement that determines whether the computer object indicates that
9 the computer includes a specified hardware platform;
10 a fourth conditional statement that determines whether the computer object indicates
11 that a specified software package having a specified version number is installed on the
12 computer;

13 a fifth conditional statement that determines whether the computer object indicates that
14 a specified software package having a specified version number or higher is installed on the
15 computer;
16 a sixth conditional statement that determines whether the computer object indicates that
17 a specified patch having a specified version number is installed on the computer;
18 a seventh conditional statement that determines whether the computer object indicates
19 that a specified patch package having a specified version number or higher is installed on the
20 computer; and
21 an eighth conditional statement that determines whether the computer object indicates
22 that the computer includes a specified architecture.

1 23. The article of manufacture of claim 17, wherein the computer object is further
2 capable of indicating a realization that defines a state of the computer, wherein the conditional
3 statements are further capable of determining whether realizations are included in the computer
4 object indicating the presence of the defined realization states at the computer, wherein the
5 attribute defined for the patch attribute statement is associated with the installation of the patch
6 to the computer if the at least one conditional statement is evaluated as true.

1 24. The article of manufacture of claim 17, wherein the patch attribute statement
2 includes multiple conditional statements and a different list of patches for each conditional
3 statement, wherein the attribute defined for the attribute statement is associated with the
4 installation of the patch to the system if the system includes the returned list of patches for the
5 conditional statement that evaluated as true.

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1 26. The computer readable medium of claim 25, wherein the patch attribute
2 statement is capable of comprising a patch requires statement, wherein the patch requires
3 attribute indicates that the patches in the returned patch list must be installed in the computer in
4 order for the patch to be installed in the computer.

27. The computer readable medium of claim 25, wherein the conditional and patch attribute statements utilize a syntax that is similar to a syntax of commands capable of being interpreted by a command processor interface of the computer operating system, and wherein the syntax of the conditional and patch attribute statements prevent the conditional and patch attribute statements from executing on the computer outside of a patch update interpreter that is capable of interpreting the syntax of the conditional and patch attribute statements.

1 28. The computer readable medium of claim 25, wherein the patch attribute
2 statements included in the script program are capable of including patch attribute statements
3 that are members of the set of patch attribute statements comprising:
4 a patch incompatible statement, wherein the patch incompatible attribute indicates that if
5 the patches in the returned patch list are installed in the computer, then the patch cannot be
6 installed in the computer; and
7 a patch prefers statement, wherein the patch prefers attribute indicates that the patches
8 in the returned patch list are recommended to be installed in the computer.

1 29. The computer readable medium of claim 25, wherein the patch attribute
2 statements are further capable of including a patch constraint attribute called with at least one
3 conditional statement, wherein the patch constraint attribute indicates that the patch can be
4 installed in the computer if each conditional statement evaluates as true.

1 30 The computer readable medium of claim 25, wherein the conditional statements
2 provided with the attribute statements are members of the set of conditional statements
3 comprising:
4 a first conditional statement that determines whether the computer object indicates that
5 a specified vendor operating system is installed on the computer;
6 a second conditional statement that determines whether the computer object indicates
7 that a specified version of the operating system is installed on the computer;
8 a third conditional statement that determines whether the computer object indicates that
9 the computer includes a specified hardware platform;
10 a fourth conditional statement that determines whether the computer object indicates
11 that a specified software package having a specified version number is installed on the
12 computer;

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13 a fifth conditional statement that determines whether the computer object indicates that
14 a specified software package having a specified version number or higher is installed on the
15 computer;

16 a sixth conditional statement that determines whether the computer object indicates that
17 a specified patch having a specified version number is installed on the computer;

18 a seventh conditional statement that determines whether the computer object indicates
19 that a specified patch package having a specified version number or higher is installed on the
20 computer; and

21 an eighth conditional statement that determines whether the computer object indicates
22 that the computer includes a specified architecture.

1 31. The computer readable medium of claim 25, wherein the computer object is
2 further capable of indicating a realization that defines a state of the computer, wherein the
3 conditional statements are further capable of determining whether realizations are included in the
4 computer object indicating the presence of the defined realization states at the computer,
5 wherein the attribute defined for the patch attribute statement is associated with the installation
6 of the patch to the computer if the at least one conditional statement is evaluated as true.

1 32. The computer readable medium of claim 25, wherein the patch attribute
2 statement includes multiple conditional statements and a different list of patches for each
3 conditional statement, wherein the attribute defined for the attribute statement is associated with
4 the installation of the patch to the system if the system includes the returned list of patches for
5 the conditional statement that evaluated as true.

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